$$OH$$

HO

Ent-Estra-1,3,5(10),9(11)-tetraene-3,17 β-diol or (8α,13α,14β,17α)-Estra-1,3,5(10),9(11)-tetraene-3,17-diol

$$HO$$
 Ent -Estra-1,3,5(10),9(11)-tetraene-3,17 α-diol or (8 α,13 α,14 β,17 β)-Estra-1,3,5(10),9(11)-tetraene-3,17-diol

Ent-Estra-1,3,5(10)-triene-3-ol or
$$(8 \alpha,9 \beta,13 \alpha,14 \beta)$$
-Estra-1,3,5(10)-triene-3-ol

Fig. 1B

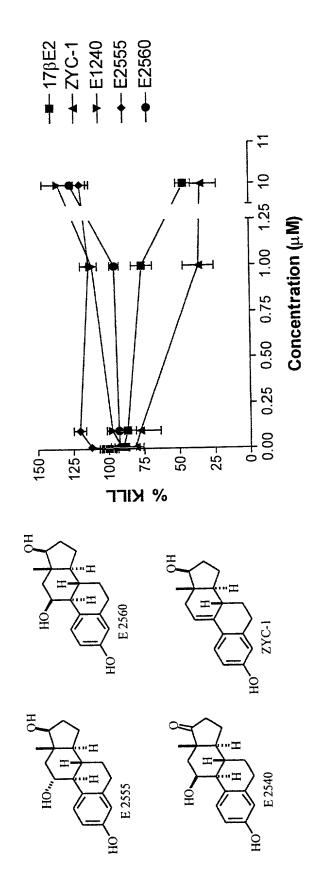
ZYC-2

ZYC-4

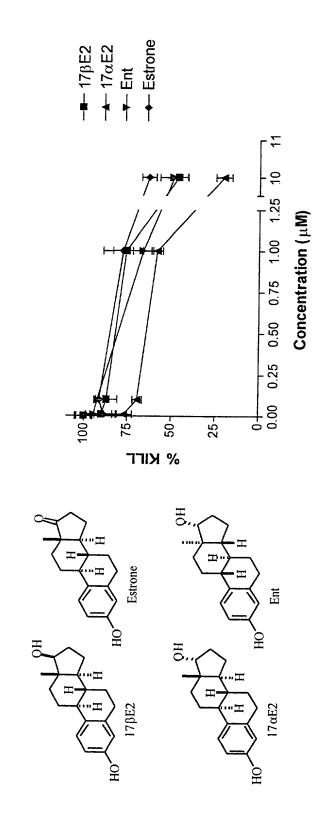
ZYC-27

SAR for Polar Substituents on Steroid C-Ring SAR for Phenoxy Radical Stabilization by Extended Resonance Delocalization

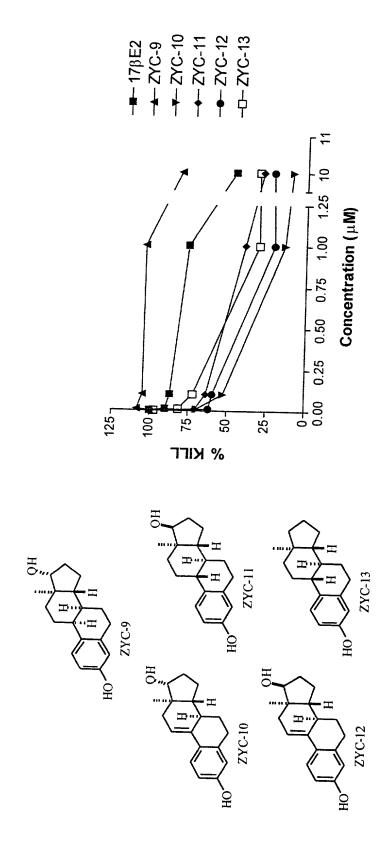
Fig. 2



SAR for Absolute Configuration of 17β-Estradiol SAR for C-17 Substituents



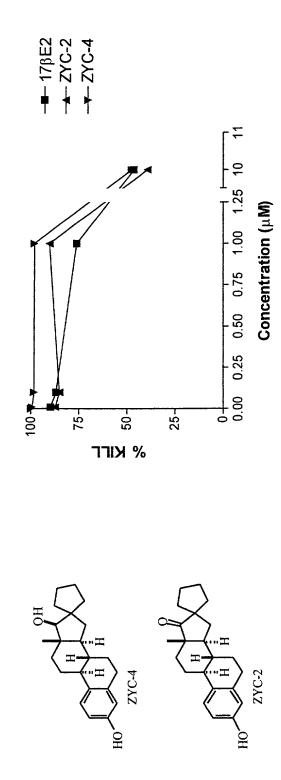
SAR of Unnatural Steroid Enantiomers



 R_z

SAR for Bulky D-Ring Hydrophobic Substituents

Fig. 6



ZYC-4: Spiro[cyclopentane-1,16'-estra[1,3,5(10)triene]-3'17'-diol; CA Reg. No. 157302-44-8 ZYC-2: Spiro[cyclopentane-1,16'-estra[1,3,5(10)triene]-3'-ol-17'-one; Unknown